

DIGITAL INVERTER BASED AC/DC SQUARE WAVE TIG WELDING MACHINE

INTIG-AC/DC Series machines are microprocessor controlled fully digital IGBT inverter based arc welding power source with soft switching technology. They are widely used for DC TIG, DC PULSE TIG / AC Square wave TIG and AC Square Wave Pulse TIG welding in various metals including Al. and Mg alloy.



Features

- Advanced *Soft Switching* technology, hence more reliability.
- Micro controller based technology for precise setting of welding parameters.
- Under voltage, Over Voltage, Phase absence and over heat protection.
- Digital preset of all welding parameters.
- Memory channels to store parameters.
- High efficiency, Better power factor.
- Light Weight but high duty cycle.
- Built in High Frequency.
- Gas Check Facility.
- 2/4 Step function.

Basic Outfits

Power Source

Optional Accessories

Water Circulation system, TIG Torch, Gas Regulator flowmeter and remote control

Technical Specifications

| Model | Peak / Base Current (A) | Input Power (KVA) | Open Circuit Voltage (V) | Max Welding current (MMA) | Dimensions (L x W x H mm) | Weight (Kg) |
|-------------------|-------------------------|-------------------|--------------------------|---------------------------|---------------------------|-------------|
| INTIG - 316 AC/DC | DC 10~315 AC 20~315 | 10.3 | 70 ~ 80 | 260 | 710x350x650 | 52 |
| INTIG - 501 AC/DC | DC 10~355 AC 20~500 | 19.5 | 70 ~ 80 | 355 | 725x390x785 | 70 |

Input Supply – 380~440 V 3- Phase 50Hz Supply

Duty Cycle – 60% (40°C & 10Min.)

Efficiency (%) – 85

Gas Pre Flow (Sec.) – 0 ~ 5

Post Gas Flow (Sec.) – 0 ~ 20

Up Slope Time (Sec.) – 0.1 ~ 10

Down Slope Time (Sec.) – 0.1 ~ 15

Pulse Frequency (Hz) – 0.2 ~ 99.9

Pulse Duty Cycle (%) – 10 ~ 90

AC Welding Frequency (Hz) – 20 ~ 200

Power factor – 0.9

Specifications may subject to change without notice.

